

**Health Indicators and Risk Estimates by
Community Health Assessment Regions:
Michigan Behavioral Risk Factor Survey
1997–2001**

Selected Tables

**Division of Epidemiology Services
Bureau of Epidemiology
Michigan Department of Community Health**



Preface

The Behavioral Risk Factor Survey (BRFS) is a statewide telephone survey of Michigan residents, ages 18 and older. This survey is the only source of state-specific, population-based estimates of the prevalence of various behaviors, medical conditions, and preventive health care practices among Michigan adults.

The following tables contain regional estimates of health indicators and risk factors for the state of Michigan by Community Health Assessment Regions for the combined years 1997–2001. Estimates for each of the 12 regions were compared with those for the rest of the state (minus the region of comparison). All results from the Michigan BRFS presented in these tables have been weighted to adjust for the probabilities of selection and for the statewide distribution of Michigan adults and by age, gender, and race. The presented results can be interpreted as estimates of risk and healthful behavior prevalence among the general adult population of Michigan. Data from all surveys conducted between 1997 and 2001 were combined for this analysis with no additional weighting adjustments. For three health indicators, data were only available for two of the five years; therefore data from survey year 2002 were also included for estimates of fruit & vegetable consumption, asthma prevalence, and prostate cancer screening.

If you have any questions about these data, please contact Susan Bohm, MDCH, 517-335-8226 or at bohms@michigan.gov.

Prepared June 10, 2003.

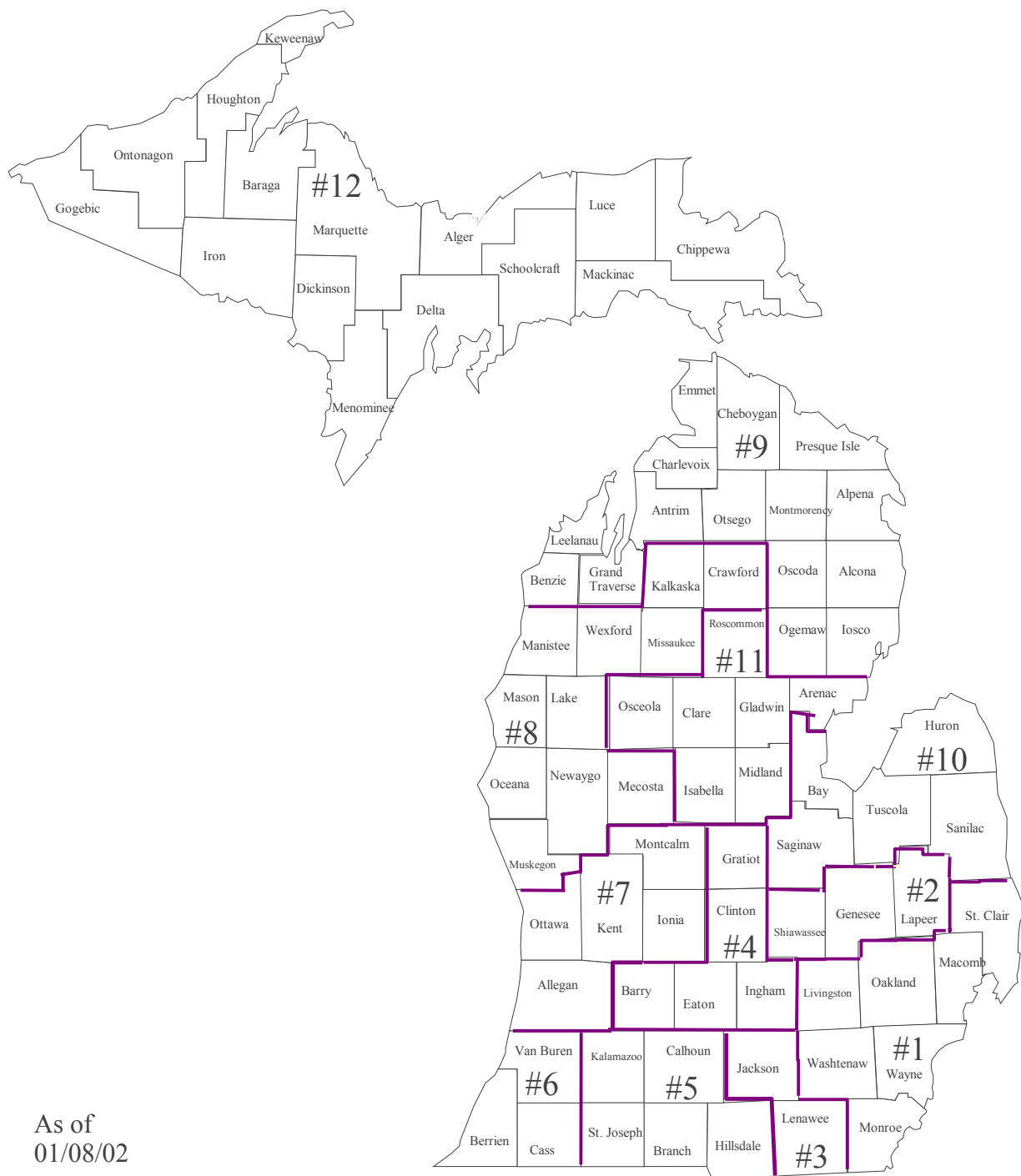


Table of Contents

Map of Community Health Assessment Regions	4
Health Status	5
Health Care Coverage	6
Weight Status	7
High Blood Pressure	8
Cholesterol	9
Diabetes	10
Current Cigarette Smoking	11
Alcohol Consumption	12
Immunizations	13
Leisure-time Physical Activity	14
Colorectal Cancer Screening	15
Cervical Cancer Screening	16
Clinical Breast Exam and Mammography	17
HIV Testing	18
Fruit & Vegetable Consumption	19
Asthma	20
Prostate Cancer Screening	21



Community Health Assessment Regions



As of
01/08/02



Health Status by Community Health Assessment Region Michigan BRFs 1997–2001 (%±95% Confidence Intervals)	
Regions^a	General Health, Fair or Poor^b
Michigan Total	13.8 ± 0.6
Region 1	14.5 ± 1.0*
Rest of State	13.1 ± 0.8
Region 2	13.2 ± 2.4
Rest of State	13.8 ± 0.6
Region 3	13.6 ± 3.7
Rest of State	13.8 ± 0.6
Region 4	11.5 ± 2.2*
Rest of State	13.9 ± 0.6
Region 5	12.2 ± 2.4
Rest of State	13.9 ± 0.6
Region 6	12.1 ± 3.2
Rest of State	13.8 ± 0.6
Region 7	11.2 ± 1.7*
Rest of State	14.1 ± 0.6
Region 8	13.5 ± 2.7
Rest of State	13.8 ± 0.6
Region 9	13.4 ± 2.8
Rest of State	13.8 ± 0.6
Region 10	16.6 ± 3.0
Rest of State	13.6 ± 0.6
Region 11	16.1 ± 3.5
Rest of State	13.7 ± 0.6
Region 12	15.4 ± 3.3
Rest of State	13.7 ± 0.6
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of respondents who said their health, in general, was fair to poor. *Significantly different from rest of state, $p < 0.05$.	



Health Care Coverage Among Adults Ages 18–64 by Community Health Assessment Region Michigan BRFs 1997–2001 (%±95% Confidence Intervals)	
Regions^a	No Health Care Coverage^b
Michigan Total	9.8 ± 0.6
Region 1	9.4 ± 0.9
Rest of State	10.0 ± 0.8
Region 2	11.2 ± 2.6
Rest of State	9.7 ± 0.6
Region 3	10.3 ± 3.9
Rest of State	9.7 ± 0.6
Region 4	7.9 ± 2.1
Rest of State	9.9 ± 0.6
Region 5	7.9 ± 2.3
Rest of State	9.9 ± 0.6
Region 6	11.2 ± 3.5
Rest of State	9.7 ± 0.6
Region 7	7.6 ± 1.7*
Rest of State	10.0 ± 0.7
Region 8	12.9 ± 3.2
Rest of State	9.6 ± 0.6
Region 9	15.0 ± 3.6*
Rest of State	9.5 ± 0.6
Region 10	7.4 ± 2.4*
Rest of State	9.9 ± 0.6
Region 11	10.3 ± 3.6
Rest of State	9.7 ± 0.6
Region 12	15.4 ± 3.8*
Rest of State	9.5 ± 0.6
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of respondents ages 18–64 who said that they did not have any kind of health care coverage. *Significantly different from rest of state, $p < 0.05$.	



Weight Status by Community Health Assessment Region Michigan BRFs 1997–2001 (%±95% Confidence Intervals)			
Regions^a	Obese^b	Overweight^c	Not Overweight^d
Michigan Total	22.4 ± 0.8	36.8 ± 0.9	40.8 ± 0.9
Region 1	22.7 ± 1.2	36.4 ± 1.4	40.9 ± 1.4
Rest of State	22.3 ± 1.0	37.1 ± 1.2	40.6 ± 1.2
Region 2	24.5 ± 3.3	36.7 ± 3.6	38.8 ± 3.7
Rest of State	22.3 ± 0.8	36.8 ± 0.9	41.0 ± 0.9
Region 3	26.8 ± 5.0	34.5 ± 5.3	38.7 ± 5.5
Rest of State	22.3 ± 0.8	36.8 ± 0.9	40.9 ± 0.9
Region 4	20.6 ± 2.9	36.2 ± 3.6	43.3 ± 3.7
Rest of State	22.5 ± 0.8	36.8 ± 0.9	40.7 ± 0.9
Region 5	24.4 ± 3.4	37.2 ± 3.7	38.4 ± 3.7
Rest of State	22.3 ± 0.8	36.7 ± 0.9	41.0 ± 0.9
Region 6	19.9 ± 4.1	40.3 ± 5.3	39.8 ± 5.4
Rest of State	22.5 ± 0.8	36.7 ± 0.9	40.9 ± 0.9
Region 7	20.0 ± 2.3*	36.5 ± 2.7	43.4 ± 2.8
Rest of State	22.7 ± 0.8	36.8 ± 1.0	40.5 ± 1.0
Region 8	22.7 ± 3.5	38.6 ± 4.1	38.7 ± 4.1
Rest of State	22.4 ± 0.8	36.7 ± 0.9	41.0 ± 0.9
Region 9	22.5 ± 3.5	35.4 ± 4.2	42.1 ± 4.3
Rest of State	22.4 ± 0.8	36.8 ± 0.9	40.8 ± 0.9
Region 10	24.0 ± 3.6	38.2 ± 4.1	37.7 ± 4.1
Rest of State	22.3 ± 0.8	36.7 ± 0.9	41.0 ± 0.9
Region 11	19.5 ± 3.8	40.0 ± 5.0	40.4 ± 5.0
Rest of State	22.5 ± 0.8	36.7 ± 0.9	40.9 ± 0.9
Region 12	22.9 ± 4.0	36.5 ± 4.6	40.6 ± 4.7
Rest of State	22.4 ± 0.8	36.8 ± 0.9	40.9 ± 0.9
Note: BMI, body mass index, is defined as weight (in kilograms) divided by height (in meters) squared [weight in kg/(height in meters) ²]. Weight and height are self-reported. ^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Obese was defined as the proportion of respondents whose body mass index (BMI) ≥30.0. ^c Overweight was defined as the proportion of respondents whose BMI ≥25.0 and <30.0. ^d Not overweight was defined as the proportion of respondents whose BMI was <25.0. *Significantly different from rest of state, $p < 0.05$.			



High Blood Pressure by Community Health Assessment Region Michigan BRFs (%±95% Confidence Intervals)		
Regions^a	Ever Told High Blood Pressure^b	Taking Blood Pressure Medication^c
Total	25.5 ± 1.0	65.8 ± 2.5
Region 1	25.9 ± 1.5	64.2 ± 3.9
Rest of State	25.2 ± 1.3	66.2 ± 3.4
Region 2	26.3 ± 3.9	67.7 ± 9.9
Rest of State	25.4 ± 1.0	65.7 ± 2.6
Region 3	25.2 ± 6.0	66.6 ± 15.2†
Rest of State	25.5 ± 1.0	65.8 ± 2.5
Region 4	23.9 ± 3.8	56.7 ± 10.8
Rest of State	25.6 ± 1.0	66.4 ± 2.6
Region 5	26.9 ± 4.1	77.6 ± 9.4*
Rest of State	25.4 ± 1.0	65.1 ± 2.6
Region 6	26.2 ± 5.8	66.5 ± 15.5†
Rest of State	25.4 ± 1.0	65.8 ± 2.5
Region 7	22.5 ± 2.8*	64.3 ± 8.0
Rest of State	25.8 ± 1.0	66.0 ± 2.6
Region 8	25.5 ± 4.3	63.7 ± 11.1
Rest of State	25.5 ± 1.0	65.9 ± 2.6
Region 9	28.4 ± 4.6	66.6 ± 11.1
Rest of State	25.3 ± 1.0	65.8 ± 2.6
Region 10	27.4 ± 4.5	68.0 ± 10.4
Rest of State	25.4 ± 1.0	65.7 ± 2.6
Region 11	24.7 ± 5.1	67.6 ± 13.4
Rest of State	25.5 ± 1.0	65.7 ± 2.5
Region 12	23.5 ± 4.8	66.3 ± 13.2
Rest of State	25.5 ± 1.0	65.8 ± 2.6
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Survey years are 1997, 1999, and 2001. Proportion of respondents who said that they had ever been told by a health professional that their blood pressure was high. ^c Survey years are 1997 and 2001 only. Among those ever told they had high blood pressure, the proportion that reported they were currently taking medicine for their high blood pressure. *Significantly different from rest of state, $p < 0.05$. †Estimates may be unreliable where sample sizes are <50.		



Cholesterol by Community Health Assessment Region Michigan BRFS Survey Years 1997, 1999, 2001 (%±95% Confidence Intervals)			
Regions^a	Cholesterol Ever Checked^b	Ever Told Cholesterol Was High^c	Cholesterol Checked Within Past 5 Years^d
Total	77.6 ± 1.0	32.2 ± 1.2	72.6 ± 1.1
Region 1	79.1 ± 1.5*	31.5 ± 1.8	74.9 ± 1.6*
Rest of State	76.5 ± 1.4	32.7 ± 1.6	70.9 ± 1.5
Region 2	77.2 ± 4.1	36.3 ± 5.0	72.8 ± 4.3
Rest of State	77.6 ± 1.0	32.0 ± 1.2	72.6 ± 1.1
Region 3	78.8 ± 5.9	39.1 ± 7.6	72.1 ± 6.4
Rest of State	77.5 ± 1.0	32.0 ± 1.2	72.6 ± 1.1
Region 4	76.9 ± 4.0	32.4 ± 4.8	72.0 ± 4.2
Rest of State	77.6 ± 1.0	32.2 ± 1.2	72.7 ± 1.1
Region 5	79.2 ± 3.9	27.5 ± 4.7*	72.6 ± 4.3
Rest of State	77.5 ± 1.0	32.5 ± 1.2	72.6 ± 1.1
Region 6	74.4 ± 6.1	29.7 ± 6.9	69.4 ± 6.4
Rest of State	77.7 ± 1.0	32.3 ± 1.2	72.7 ± 1.1
Region 7	78.8 ± 3.0	29.0 ± 3.4	72.1 ± 3.3
Rest of State	77.4 ± 1.1	32.6 ± 1.3	72.7 ± 1.1
Region 8	74.0 ± 4.7	33.0 ± 5.4	69.2 ± 4.9
Rest of State	77.8 ± 1.0	32.2 ± 1.2	72.8 ± 1.1
Region 9	76.8 ± 4.8	33.6 ± 5.5	71.5 ± 5.1
Rest of State	77.6 ± 1.0	32.2 ± 1.2	72.7 ± 1.1
Region 10	73.6 ± 4.9	36.5 ± 5.7	68.6 ± 5.1
Rest of State	77.8 ± 1.0	32.0 ± 1.2	72.8 ± 1.1
Region 11	72.8 ± 6.0	37.1 ± 6.8	69.6 ± 6.1
Rest of State	77.7 ± 1.0	32.1 ± 1.2	72.7 ± 1.1
Region 12	73.3 ± 5.4	34.2 ± 6.2	66.7 ± 5.6*
Rest of State	77.7 ± 1.0	32.2 ± 1.2	72.9 ± 1.1
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Respondents who reported ever having had their cholesterol checked. ^c Among respondents who reported ever having had their cholesterol checked, the proportion who had been told that their cholesterol was high. ^d Proportion of respondents who reported having had their cholesterol checked within the last five years. *Significantly different from rest of state, $p < 0.05$.			



Diabetes by Community Health Assessment Region Michigan BRFs 1997–2001 (%±95% Confidence Intervals)	
Regions^a	Ever Told Have Diabetes^b
Total	6.6 ± 0.4
Region 1	7.0 ± 0.7
Rest of State	6.3 ± 0.6
Region 2	6.6 ± 1.8
Rest of State	6.6 ± 0.5
Region 3	5.5 ± 2.4
Rest of State	6.6 ± 0.5
Region 4	6.2 ± 1.7
Rest of State	6.6 ± 0.5
Region 5	6.8 ± 1.8
Rest of State	6.6 ± 0.5
Region 6	5.6 ± 2.2
Rest of State	6.6 ± 0.5
Region 7	5.1 ± 1.2*
Rest of State	6.8 ± 0.5
Region 8	7.8 ± 2.1
Rest of State	6.5 ± 0.5
Region 9	5.7 ± 1.9
Rest of State	6.6 ± 0.5
Region 10	7.9 ± 2.1
Rest of State	6.5 ± 0.5
Region 11	8.1 ± 2.5
Rest of State	6.5 ± 0.5
Region 12	5.1 ± 1.9
Rest of State	6.6 ± 0.5
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of respondents who reported that they had ever been told that they had diabetes (gestational diabetes excluded). *Significantly different from rest of state, $p < 0.05$.	



Current Cigarette Smoking by Community Health Assessment Region Michigan BRFS 1997–2001 (%±95% Confidence Intervals)	
Regions^a	Current Smoker^b
Total	25.9 ± 0.8
Region 1	25.9 ± 1.2
Rest of State	26.0 ± 1.1
Region 2	28.2 ± 3.4
Rest of State	25.8 ± 0.8
Region 3	26.0 ± 4.8
Rest of State	25.9 ± 0.8
Region 4	24.5 ± 3.1
Rest of State	26.0 ± 0.8
Region 5	22.9 ± 3.2
Rest of State	26.1 ± 0.8
Region 6	24.6 ± 4.6
Rest of State	25.9 ± 0.8
Region 7	24.3 ± 2.4
Rest of State	26.1 ± 0.9
Region 8	28.3 ± 3.6
Rest of State	25.8 ± 0.8
Region 9	28.0 ± 3.9
Rest of State	25.8 ± 0.8
Region 10	27.9 ± 3.7
Rest of State	25.8 ± 0.8
Region 11	25.4 ± 4.3
Rest of State	25.9 ± 0.8
Region 12	27.9 ± 4.2
Rest of State	25.8 ± 0.8
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of respondents who reported that they had ever smoked at least 100 cigarettes in their life and that they smoke cigarettes now.	



Alcohol Consumption by Community Health Assessment Region Michigan BRFs Survey Years 1997, 1999, 2001 (%±95% Confidence Intervals)		
Regions^a	Heavy Drinking^b	Binge Drinking^c
Total	5.0 ± 0.5	18.6 ± 0.9
Region 1	4.9 ± 0.8	19.1 ± 1.5
Rest of State	5.2 ± 0.7	18.4 ± 1.2
Region 2	2.6 ± 1.5*	13.0 ± 3.1*
Rest of State	5.2 ± 0.6	19.0 ± 1.0
Region 3	5.1 ± 3.4	18.0 ± 5.7
Rest of State	5.0 ± 0.5	18.6 ± 0.9
Region 4	6.8 ± 2.6	20.8 ± 3.9
Rest of State	4.9 ± 0.5	18.5 ± 1.0
Region 5	5.2 ± 2.2	13.7 ± 3.4*
Rest of State	5.0 ± 0.5	18.9 ± 1.0
Region 6	4.7 ± 2.9	16.1 ± 5.2
Rest of State	5.0 ± 0.5	18.7 ± 1.0
Region 7	4.5 ± 1.6	19.0 ± 2.9
Rest of State	5.1 ± 0.6	18.6 ± 1.0
Region 8	5.0 ± 2.4	20.4 ± 4.2
Rest of State	5.0 ± 0.5	18.5 ± 1.0
Region 9	4.7 ± 2.5	17.4 ± 4.4
Rest of State	5.1 ± 0.5	18.7 ± 1.0
Region 10	7.1 ± 2.7	21.7 ± 4.5
Rest of State	4.9 ± 0.5	18.5 ± 1.0
Region 11	5.5 ± 3.1	21.0 ± 5.5
Rest of State	5.0 ± 0.5	18.5 ± 1.0
Region 12	6.9 ± 3.2	22.8 ± 5.1
Rest of State	5.0 ± 0.5	18.5 ± 1.0
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of respondents who said that they consumed 60 or more alcoholic drinks in the past month. ^c Proportion of respondents who reported consuming five or more drinks on one occasion at least once in the past month. *Significantly different from rest of state, $p < 0.05$.		



Immunizations Among Adults ≥65 Years by Community Health Assessment Region Michigan BRFs Survey Years 1997, 1999, & 2001 (%±95% Confidence Intervals)		
Regions^a	No Flu Shot in Past Year^b	Never Had Pneumonia shot^c
Total	36.3 ± 2.6	45.7 ± 2.7
Region 1	38.4 ± 4.2	48.3 ± 4.4
Rest of State	34.5 ± 3.4	43.5 ± 3.5
Region 2	48.7 ± 12.3*	54.4 ± 12.4
Rest of State	35.6 ± 2.6	45.2 ± 2.8
Region 3	29.4 ± 14.7	41.2 ± 15.2
Rest of State	36.5 ± 2.6	45.8 ± 2.8
Region 4	35.6 ± 11.2	48.7 ± 11.8
Rest of State	36.3 ± 2.7	45.5 ± 2.8
Region 5	32.2 ± 10.1	36.3 ± 10.5
Rest of State	36.5 ± 2.7	46.3 ± 2.8
Region 6	12.9 ± 8.6*	33.5 ± 14.8
Rest of State	37.1 ± 2.6	46.0 ± 2.8
Region 7	39.2 ± 8.2	44.8 ± 8.4
Rest of State	35.9 ± 2.7	45.8 ± 2.9
Region 8	29.4 ± 10.5	38.9 ± 11.2
Rest of State	36.7 ± 2.7	46.1 ± 2.8
Region 9	36.7 ± 10.4	37.7 ± 10.4
Rest of State	36.3 ± 2.7	46.2 ± 2.8
Region 10	37.8 ± 11.3	53.2 ± 11.6
Rest of State	36.2 ± 2.7	45.2 ± 2.8
Region 11	21.0 ± 10.8*	32.7 ± 12.6*
Rest of State	36.9 ± 2.7	46.1 ± 2.8
Region 12	36.6 ± 11.8	50.7 ± 12.6
Rest of State	36.3 ± 2.7	45.4 ± 2.8
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of respondents 65 years and older who said that they had not had a flu shot in the past year. ^c Proportion of respondents 65 years and older who reported that they had never had a pneumonia shot. *Significantly different from rest of state, $p < 0.05$.		



Leisure-time Physical Activity by Community Health Assessment Region Michigan BRFS 1997–2001 (%±95% Confidence Intervals)	
Regions^a	No Activity^b
Total	23.3 ± 0.8
Region 1	22.8 ± 1.3
Rest of State	23.5 ± 1.1
Region 2	27.6 ± 3.6*
Rest of State	23.0 ± 0.9
Region 3	25.8 ± 5.3
Rest of State	23.2 ± 0.9
Region 4	23.8 ± 3.5
Rest of State	23.2 ± 0.9
Region 5	24.1 ± 3.5
Rest of State	23.2 ± 0.9
Region 6	24.5 ± 4.9
Rest of State	23.2 ± 0.9
Region 7	19.6 ± 2.4*
Rest of State	23.7 ± 0.9
Region 8	23.4 ± 3.8
Rest of State	23.3 ± 0.9
Region 9	21.8 ± 3.7
Rest of State	23.3 ± 0.9
Region 10	23.7 ± 3.8
Rest of State	23.3 ± 0.9
Region 11	24.5 ± 4.8
Rest of State	23.2 ± 0.9
Region 12	24.5 ± 4.5
Rest of State	23.2 ± 0.9
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of respondents who reported that they did not participate in any physical activities, recreation, or exercises in their leisure time (such as running, golf, or walking for exercise) within the past month. *Significantly different from rest of state, $p < 0.05$.	



Colorectal Cancer Screening Among Adults ≥50 years by Community Health Assessment Region Michigan BRFS (%±95% Confidence Intervals)		
Regions^a	Ever Had a Blood Stool Test^b	Had Blood Stool Test in Past 2 Years^c
Total	49.8 ± 1.6	33.9 ± 1.7
Region 1	45.2 ± 2.6*	30.3 ± 2.7*
Rest of State	53.2 ± 2.1	36.4 ± 2.3
Region 2	41.8 ± 6.6*	25.3 ± 6.4*
Rest of State	50.3 ± 1.7	34.4 ± 1.8
Region 3	50.4 ± 9.3	32.2 ± 9.6
Rest of State	49.8 ± 1.7	34.0 ± 1.8
Region 4	62.7 ± 6.3*	49.2 ± 7.5*
Rest of State	48.9 ± 1.7	32.9 ± 1.8
Region 5	45.4 ± 6.4	29.7 ± 6.6
Rest of State	50.1 ± 1.7	34.2 ± 1.8
Region 6	49.8 ± 9.2	30.0 ± 9.7
Rest of State	49.8 ± 1.7	34.0 ± 1.8
Region 7	54.9 ± 5.2*	40.2 ± 5.6*
Rest of State	49.2 ± 1.7	33.2 ± 1.8
Region 8	53.1 ± 6.9	39.4 ± 7.5
Rest of State	49.6 ± 1.7	33.6 ± 1.8
Region 9	55.0 ± 6.7	39.5 ± 7.5
Rest of State	49.5 ± 1.7	33.6 ± 1.8
Region 10	56.4 ± 6.9	35.6 ± 7.4
Rest of State	49.4 ± 1.7	33.8 ± 1.8
Region 11	54.4 ± 8.4	30.8 ± 8.7
Rest of State	49.6 ± 1.7	34.0 ± 1.8
Region 12	59.0 ± 7.6*	38.7 ± 8.8
Rest of State	49.4 ± 1.7	33.7 ± 1.8
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of respondents aged 50 and older who said that they had ever used a blood stool test using a home kit. Survey years are 1997–1999 and 2001. ^c Proportion of respondents who reported that they had a blood stool test using a home kit in the last two years. Survey years are 1997, 1999, and 2001. *Significantly different from rest of state, $p < 0.05$.		



Cervical Cancer Screening by Community Health Assessment Region Michigan BRFs Survey Years 1997–2000 (%±95% Confidence Intervals)		
Regions^a	Ever Had a Pap Test	Had Pap Test in Last 3 Years^b
Total	95.1 ± 0.6	85.1 ± 1.0
Region 1	95.0 ± 1.0	85.9 ± 1.5
Rest of State	95.2 ± 0.9	84.6 ± 1.4
Region 2	96.0 ± 2.4	84.4 ± 4.2
Rest of State	95.0 ± 0.7	85.1 ± 1.1
Region 3	94.7 ± 4.0	85.9 ± 6.1
Rest of State	95.1 ± 0.7	85.0 ± 1.1
Region 4	95.5 ± 2.7	87.5 ± 3.8
Rest of State	95.0 ± 0.7	84.9 ± 1.1
Region 5	95.5 ± 2.4	85.4 ± 4.3
Rest of State	95.0 ± 0.7	85.1 ± 1.1
Region 6	93.8 ± 4.3	80.7 ± 6.4
Rest of State	95.1 ± 0.7	85.2 ± 1.1
Region 7	94.2 ± 2.3	84.8 ± 3.4
Rest of State	95.2 ± 0.7	85.1 ± 1.1
Region 8	94.7 ± 3.0	81.6 ± 5.4
Rest of State	95.1 ± 0.7	85.2 ± 1.1
Region 9	97.9 ± 1.9*	85.9 ± 4.9
Rest of State	94.9 ± 0.7	85.0 ± 1.1
Region 10	96.9 ± 2.4	86.6 ± 4.6
Rest of State	95.0 ± 0.7	85.0 ± 1.1
Region 11	93.1 ± 4.1	80.0 ± 6.4
Rest of State	95.1 ± 0.7	85.2 ± 1.1
Region 12	94.6 ± 3.7	83.0 ± 5.7
Rest of State	95.1 ± 0.7	85.2 ± 1.1
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of all female respondents aged 18 years and older who had a Pap test within the last 3 years. Respondents whose last Pap test was done because of a problem were not included in this analysis. *Significantly different from rest of state, $p < 0.05$.		



Clinical Breast Exam (CBE) & Mammography by Community Health Assessment Region Michigan BRFS Survey Years 1997–2000 (%±95% Confidence Intervals)		
Regions^a	Women ≥20 Years Who Had Appropriately Timed CBE^b	Women ≥40 Years Who Had CBE & Mammography in Last Year^c
Total	76.6 ± 1.2	55.0 ± 1.9
Region 1	76.1 ± 1.9	54.6 ± 2.9
Rest of State	77.1 ± 1.6	55.4 ± 2.5
Region 2	76.9 ± 4.9	57.5 ± 7.5
Rest of State	76.5 ± 1.3	54.8 ± 1.9
Region 3	81.1 ± 7.1	65.8 ± 10.7*
Rest of State	76.4 ± 1.3	54.6 ± 1.9
Region 4	80.1 ± 4.4	57.4 ± 7.3
Rest of State	76.3 ± 1.3	54.8 ± 2.0
Region 5	76.0 ± 5.2	55.4 ± 7.3
Rest of State	76.6 ± 1.3	54.9 ± 2.0
Region 6	77.1 ± 6.8	52.3 ± 11.0
Rest of State	76.5 ± 1.3	55.0 ± 1.9
Region 7	76.7 ± 3.9	51.1 ± 6.0
Rest of State	76.5 ± 1.3	55.4 ± 2.0
Region 8	77.8 ± 5.6	50.7 ± 8.6
Rest of State	76.5 ± 1.3	55.2 ± 1.9
Region 9	80.1 ± 5.5	61.2 ± 8.2
Rest of State	76.4 ± 1.3	54.6 ± 1.9
Region 10	74.4 ± 5.9	57.5 ± 8.4
Rest of State	76.7 ± 1.3	54.8 ± 1.9
Region 11	72.0 ± 7.3	46.4 ± 10.1
Rest of State	76.7 ± 1.3	55.3 ± 1.9
Region 12	75.5 ± 6.3	56.9 ± 8.7
Rest of State	76.6 ± 1.3	54.9 ± 1.9
Note: Respondents whose last clinical breast exam or mammography was done because of breast cancer or other breast problems were not included in this analysis. ^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of female respondents whose clinical breast exam was within the previous 3 years for women aged 20–39 years and within the last year for women 40 and older. ^c Proportion of women 40 and older who had both a clinical breast exam and mammography in the past year. *Significantly different from rest of state, $p < 0.05$.		



HIV Testing by Community Health Assessment Region Michigan BRFs 1997–2001 (%±95% Confidence Intervals)	
Regions^a	Ever had an HIV Test^b
Total	46.0 ± 1.1
Region 1	49.9 ± 1.7*
Rest of State	43.1 ± 1.5
Region 2	45.3 ± 4.5
Rest of State	46.0 ± 1.2
Region 3	42.9 ± 7.0
Rest of State	46.1 ± 1.1
Region 4	45.2 ± 4.4
Rest of State	46.0 ± 1.2
Region 5	43.5 ± 4.5
Rest of State	46.1 ± 1.2
Region 6	49.4 ± 6.7
Rest of State	45.9 ± 1.1
Region 7	41.9 ± 3.3*
Rest of State	46.5 ± 1.2
Region 8	43.5 ± 5.1
Rest of State	46.1 ± 1.2
Region 9	46.3 ± 5.2
Rest of State	46.0 ± 1.1
Region 10	38.1 ± 5.0*
Rest of State	46.4 ± 1.2
Region 11	37.5 ± 6.0*
Rest of State	46.3 ± 1.1
Region 12	40.1 ± 5.8*
Rest of State	46.2 ± 1.1
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of respondents who reported that they had ever been tested for HIV, apart from tests that were part of a blood donation. *Significantly different from rest of state, $p < 0.05$.	



Fruit & Vegetable Consumption by Community Health Assessment Region Michigan BRFS 1998, 2000, & 2002 (%±95% Confidence Intervals)	
Regions^a	Fruits & Vegetables (<5 times/day)^b
Michigan Total	76.5 ± 0.9
Region 1	75.9 ± 1.5
Rest of state	76.8 ± 1.2
Region 2	77.3 ± 3.9
Rest of state	76.4 ± 1.0
Region 3	75.7 ± 5.9
Rest of state	76.5 ± 1.0
Region 4	79.1 ± 3.5
Rest of state	76.3 ± 1.0
Region 5	76.9 ± 3.9
Rest of state	76.4 ± 1.0
Region 6	76.3 ± 5.3
Rest of state	76.5 ± 1.0
Region 7	77.5 ± 2.4
Rest of state	76.3 ± 1.0
Region 8	73.8 ± 4.6
Rest of state	76.6 ± 1.0
Region 9	77.2 ± 4.0
Rest of state	76.4 ± 1.0
Region 10	81.7 ± 3.6*
Rest of state	76.2 ± 1.0
Region 11	74.1 ± 4.9
Rest of state	76.5 ± 1.0
Region 12	70.8 ± 5.1*
Rest of state	76.7 ± 1.0
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of respondents whose total reported consumption of fruits (including juice) and vegetables was less than 5 times per day. *Significantly different from rest of state, $p<0.05$.	



Asthma Prevalence by Community Health Assessment Region Michigan BRFs Survey Years 2000–2002 (%±95% Confidence Intervals)		
Regions^a	Ever Told Have Asthma^b	Still Have Asthma^c
Michigan Total	12.1 ± 0.7	8.5 ± 0.6
Region 1	13.0 ± 1.2*	9.0 ± 1.0
Rest of State	11.5 ± 0.9	8.1 ± 0.7
Region 2	14.6 ± 3.2	10.0 ± 2.7
Rest of State	12.0 ± 0.7	8.4 ± 0.6
Region 3	12.5 ± 4.3	11.4 ± 4.2
Rest of State	12.1 ± 0.7	8.4 ± 0.6
Region 4	12.8 ± 2.9	9.0 ± 2.5
Rest of State	12.1 ± 0.7	8.4 ± 0.6
Region 5	10.9 ± 2.7	8.1 ± 2.3
Rest of State	12.2 ± 0.7	8.5 ± 0.6
Region 6	11.1 ± 3.8	6.6 ± 2.8
Rest of State	12.2 ± 0.7	8.5 ± 0.6
Region 7	9.3 ± 1.6*	6.6 ± 1.4*
Rest of State	12.5 ± 0.8	8.7 ± 0.6
Region 8	9.2 ± 2.4*	6.2 ± 2.0*
Rest of State	12.3 ± 3.1	8.6 ± 0.6
Region 9	13.3 ± 3.3	9.5 ± 2.7
Rest of State	12.1 ± 0.7	8.4 ± 0.6
Region 10	12.0 ± 3.2	7.3 ± 2.6
Rest of State	12.1 ± 0.7	8.5 ± 0.6
Region 11	12.0 ± 3.3	9.1 ± 3.0
Rest of State	12.1 ± 0.7	8.4 ± 0.6
Region 12	11.8 ± 3.3	8.4 ± 2.7
Rest of State	12.1 ± 0.7	8.5 ± 0.6
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of respondents who reported that they had ever been told they have asthma. ^c Proportion of respondents who reported that they still have asthma. *Significantly different from rest of state, $p < 0.05$.		



Prostate Cancer Screening Among Men ≥50 Years by Community Health Assessment Region Michigan BRFS 1999, 2001, & 2002 (%±95% Confidence Intervals)	
Regions^a	Ever Had a PSA Test^b
Michigan Total	74.3 ± 2.2
Region 1	74.7 ± 3.7
Rest of state	74.0 ± 2.8
Region 2	73.6 ± 10.1
Rest of state	74.4 ± 2.3
Region 3	74.5 ± 12.3
Rest of state	74.3 ± 2.3
Region 4	73.5 ± 8.9
Rest of state	74.4 ± 2.3
Region 5	68.8 ± 9.3
Rest of state	74.7 ± 2.3
Region 6	62.5 ± 14.3
Rest of state	74.7 ± 2.2
Region 7	79.9 ± 5.5*
Rest of state	73.6 ± 2.4
Region 8	72.0 ± 8.9
Rest of state	74.5 ± 2.3
Region 9	76.4 ± 8.5
Rest of state	74.2 ± 2.3
Region 10	80.3 ± 8.2
Rest of state	74.0 ± 2.3
Region 11	82.9 ± 8.6*
Rest of state	74.0 ± 2.3
Region 12	61.5 ± 10.9*
Rest of state	75.0 ± 2.3
^a Estimates for each region were compared with those for the rest of the state (minus the region of comparison). ^b Proportion of male respondents age 50 years and older who said that they had ever had a prostate-specific antigen (PSA) blood test. *Significantly different from rest of state, $p < 0.05$.	